

## AMENDMENTS TO THE APPLICATION

Section A- Amendments to the Claims, including a Complete Listing of All Pending Claims, as currently amended, in accordance with New Patent Rule 1.121

### In the Claims

Please amend Independent Claims 1, 23, 53, 73, 77 and 81 as follows:

1. (Amended Once.) A method comprising the steps of:

operating a nuclear powered vehicle in orbit; [[and]]

said nuclear powered vehicle including a radiation shield (20) for protecting a detachable payload (15); and

5 said nuclear powered vehicle including a grasping means (14) for interacting with a plurality of other satellites;

providing controlled kinetic energy; said controlled kinetic energy for interacting with a plurality of other satellites.

2. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy affects another satellite.

3. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to move a satellite.

4. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to rescue a satellite.

5. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to repair a satellite.
6. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to transport a payload to a satellite.
7. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to transport a payload from a satellite.
8. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to transport a payload to a celestial body.
9. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is used to transport a payload from a celestial body.
10. (Original.) A method as recited in Claim 1, in which said nuclear powered vehicle for providing controlled kinetic energy is sold.
11. (Original.) A method as recited in Claim 1, in which said nuclear powered vehicle for providing controlled kinetic energy is leased for a specified task.
12. (Original.) A method as recited in Claim 1, in which said nuclear powered vehicle for providing controlled kinetic energy is leased for a specified time.
13. (Original.) A method as recited in Claim 1, in which a customer who uses said nuclear powered vehicle for providing controlled kinetic energy is charged according to a specified rate.

14. (Original.) A method as recited in Claim 13, in which said specified rate is determined by a quantity of mass in orbit that is moved by said controlled kinetic energy.

15. (Original.) A method as recited in Claim 14, in which said specified rate is determined by a distance that said quantity of mass in orbit that is moved by said controlled kinetic energy.

16. (Original.) A method as recited in Claim 14, in which said specified rate is determined by a change in an orbital parameter that is altered by said controlled kinetic energy.

17. (Original.) A method as recited in Claim 16, in which said orbital parameter is altitude.

18. (Original.) A method as recited in Claim 16, in which said orbital parameter is apogee.

19. (Original.) A method as recited in Claim 16, in which said orbital parameter is perigee.

20. (Original.) A method as recited in Claim 16, in which said orbital parameter is inclination.

21. (Original.) A method as recited in Claim 1, in which said controlled kinetic energy is provided to a plurality of customers.

22. (Original.) A method as recited in Claim 21, in which said plurality of customers utilize said controlled kinetic energy on a time-share basis.

23. (Amended Once.) A method comprising the steps of:  
  
operating a nuclear powered vehicle in orbit; and  
  
generating electrical energy on board said nuclear powered vehicle[[]];  
  
said nuclear powered vehicle including a radiation shield (20) for protecting a detachable payload (15).
24. (Original.) A method as recited in Claim 23, in which said electrical energy is used to affect another satellite.
25. (Original.) A method as recited in Claim 23, in which said electrical energy is used to move a satellite.
26. (Original.) A method as recited in Claim 23, in which said electrical energy is used to rescue a satellite.
27. (Original.) A method as recited in Claim 23, in which said electrical energy is used to repair a satellite.
28. (Original.) A method as recited in Claim 23, in which said electrical energy is used to transport a payload to a satellite.
29. (Original.) A method as recited in Claim 23, in which said electrical energy is used to transport a payload from a satellite.

30. (Original.) A method as recited in Claim 23, in which said electrical energy is used to transport a payload to a celestial body.

31. (Original.) A method as recited in Claim 23, in which said electrical energy is used to transport a payload from a celestial body.

32. (Original.) A method as recited in Claim 23, in which said nuclear powered vehicle for providing electrical energy is sold.

33. (Original.) A method as recited in Claim 23, in which said nuclear powered vehicle for providing electrical energy is traded.

34. (Original.) A method as recited in Claim 23, in which said nuclear powered vehicle for providing electrical energy is leased for a specified task.

35. (Original.) A method as recited in Claim 23, in which said nuclear powered vehicle for providing electrical energy is leased for a specified time.

36. (Original.) A method as recited in Claim 23, in which a customer who uses said nuclear powered vehicle for providing electrical energy is charged according to a specified rate.

37. (Original.) A method as recited in Claim 23, in which said specified rate is determined by a quantity of mass in orbit that is moved by said electrical energy.

38. (Original.) A method as recited in Claim 37, in which said specified rate is determined by a distance that said quantity of mass in orbit that is moved by said electrical energy.

39. (Original.) A method as recited in Claim 37, in which said specified rate is determined by a change in an orbital parameter that is altered by said electrical energy.

40. (Original.) A method as recited in Claim 39, in which said orbital parameter is altitude.

41. (Original.) A method as recited in Claim 39, in which said orbital parameter is apogee.

42. (Original.) A method as recited in Claim 39, in which said orbital parameter is perigee.

43. (Original.) A method as recited in Claim 39, in which said orbital parameter is inclination.

44. (Original.) A method as recited in Claim 23, in which said electrical energy is produced by a nuclear reactor on board said nuclear powered vehicle.

45. (Original.) A method as recited in Claim 23, in which said electrical energy is conveyed to another satellite.

46. (Original.) A method as recited in Claim 45, in which said electrical energy is conveyed to another satellite using a conductive link connected to another satellite.

47. (Original.) A method as recited in Claim 45, in which said electrical energy is conveyed to another satellite using a radiated energy beam.

48. (Original.) A method as recited in Claim 45, in which said electrical energy is conveyed to another satellite by first storing said electrical energy on board said nuclear powered vehicle in a storage device, and then physically delivering said storage device to another satellite.

49. (Original.) A method as recited in Claim 48, in which said storage device is a battery.

50. (Original.) A method as recited in Claim 48, in which said storage device is a fuel cell.

51. (Original.) A method as recited in Claim 23, in which said electrical energy is provided to a plurality of customers.

52. (Original.) A method as recited in Claim 51, in which said plurality of customers utilize said electrical energy on a time-share basis.

53. (Amended Once.) A method comprising the steps of:

operating a nuclear powered vehicle in orbit; and

processing information on board said nuclear powered vehicle[[]];

said nuclear powered vehicle including a radiation shield (20) for protecting a detachable payload (15).

54. (Original.) A method as recited in Claim 53, in which said information is used to affect another satellite.

55. (Original.) A method as recited in Claim 53, in which said information is used to move a satellite.

56. (Original.) A method as recited in Claim 53, in which said information is used to rescue a satellite.

57. (Original.) A method as recited in Claim 53, in which said information is used to repair a satellite.

58. (Original.) A method as recited in Claim 53, in which said information is used to transport a payload to a satellite.

59. (Original.) A method as recited in Claim 53, in which said information is used to transport a payload from a satellite.

60. (Original.) A method as recited in Claim 53, in which said information is used to transport a payload to a celestial body.

61. (Original.) A method as recited in Claim 53, in which said information is used to transport a payload from a celestial body.

62. (Original.) A method as recited in Claim 53, in which said nuclear powered vehicle for providing said information is sold.

63. (Original.) A method as recited in Claim 53, in which said nuclear powered vehicle for providing said information is leased for a specified task.

64. (Original.) A method as recited in Claim 53, in which said nuclear powered vehicle for providing said information is leased for a specified time.



65. (Original.) A method as recited in Claim 53, in which a customer who uses said nuclear powered vehicle for providing said information is charged according to a specified rate.

66. (Original.) A method as recited in Claim 53, in which said information is conveyed to another satellite.

67. (Original.) A method as recited in Claim 53, in which said information is conveyed to a receiver generally near a celestial body.

68. (Original.) A method as recited in Claim 53, in which said information is conveyed using a radio signal.

69. (Original.) A method as recited in Claim 53, in which said said information is provided to a plurality of customers.

70. (Original.) A method as recited in Claim 53, in which a customer is charged for receiving said information by the packet conveyed.

71. (Original.) A method as recited in Claim 53, in which said information is used for reconnaissance.

72. (Original.) A method as recited in Claim 53, in which said information is used for surveillance.

73. (Amended Once.) A method comprising the steps of:

operating a nuclear powered vehicle in orbit; and

using said nuclear powered vehicle for emanating direct broadcast signals to a receiver generally near a celestial body[.];

said nuclear powered vehicle including a radiation shield (20) for protecting a detachable payload (15).

74. (Original.) A method as recited in Claim 73, in which a customer is charged for receiving said direct broadcast signals by the packet conveyed.

75. (Original.) A method as recited in Claim 73, in which a customer is charged for receiving said direct broadcast signals per a specified program of content conveyed.

76. (Original.) A method as recited in Claim 73, in which a customer is charged for receiving said direct broadcast signals according to a measured power flux density of said signals.

77. (Amended Once.) A method comprising the steps of:

operating a nuclear powered vehicle in orbit; and

using said nuclear powered vehicle for emanating and receiving telecommunication signals to a receiver generally near a celestial body[.];

said nuclear powered vehicle including a radiation shield (20) for protecting a detachable payload (15).

78. (Original.) A method as recited in Claim 77, in which a customer is charged for using said telecommunication signals by the packet conveyed.

79. (Original.) A method as recited in Claim 77, in which a customer is charged for using said telecommunication signals according to a measured power flux density of said signals.

80. (Original.) A method as recited in Claim 77, in which a customer is charged for using said telecommunication signals per a specified program of content conveyed.

81. (Amended Once.) A method comprising the steps of:

operating a nuclear powered vehicle in orbit; and

generating a propagated signal on board said nuclear powered vehicle[[]];

said nuclear powered vehicle including a radiation shield (20) for protecting a detachable payload (15).

82. (Original.) A method as recited in Claim 81, in which said propagated signal conveys data and is radiated to another satellite.

83. (Original.) A method as recited in Claim 81, in which said propagated signal conveys data and is radiated to a receiver which is generally near a celestial body.

84. (Original.) A method as recited in Claim 81, in which said propagated signal conveys information.

85. (Original.) A method as recited in Claim 81, in which said propagated signal conveys usable energy.